



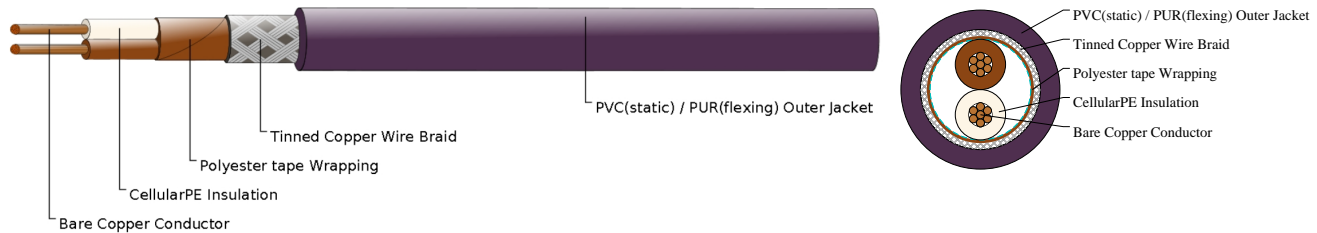
Caledonian

Bus Cables

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CAN-Bus 1P0.5mm²



APPLICATIONS

CAN Bus are field bus cables that conform to international CAN standard ISO-11898, CAN Bus (Control Area Network) is a non addressable system which treats all devices as equal allowing fast transmission of data. Due to its robust nature it has been widely adopted in the automotive industry. Several versions of CAN Bus cables have been developed to meet the fast changing needs of the automation industry. The PVC jacket version is designed for stationary applications, while the Halogen free PUR version is for highly flexing application.

CABLE CONSTRUCTION

Conductor: Bare copper conductor, AWG 20/7

Insulation: CellularPE

Stranding Element: Double conductor

Wrapping: Polyester foil over stranded bundle

Total Shielding: Tinned copper wire braid

Outer Jacket: PVC(static) / PUR(flexing)

COLOUR CODE

Insulation Colors: White, Brown

Outer Jacket Color: Violet

PHYSICAL AND THERMAL PROPERTIES

Characteristic Impedance@1MHz: $120 \Omega \pm 10 \Omega$

Conductor Resistance: 186.0 Ohm/km max

Insulation Resistance: 1.00 GOhm x km min

Mutual Capacitance@800Hz: 40.0 nF/km nom

Working Voltage: 250 V

Test Voltage: 1.5 KV

Min. Bending Radius (Laying): 15 x OD mm

Operating Temp. Range, min.: -40 °C

Operating Temp. Range, max.: +70 °C

DIMENSION AND PARAMETERS

Cable Construction	Approx. Overall Diameter	Approx. Weight
	mm	kg/km



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1x2x0.5mm ² (stranded)	7±0.2	69
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